

Figure 1

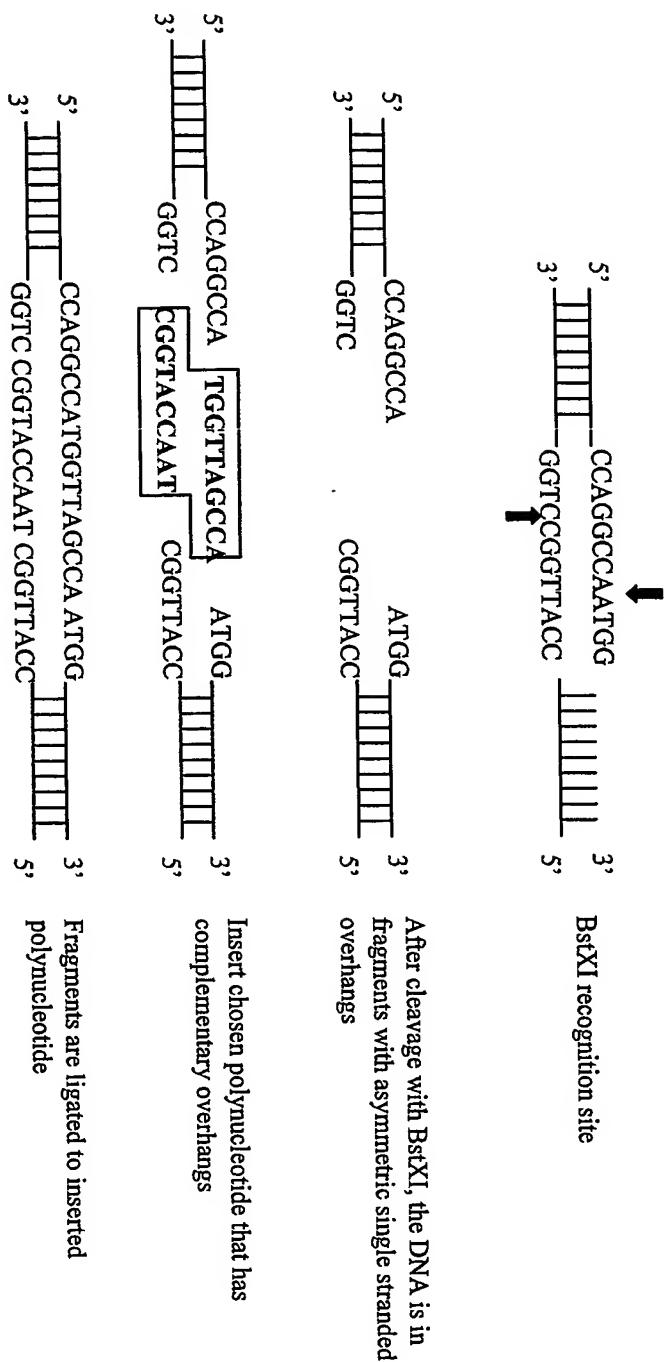
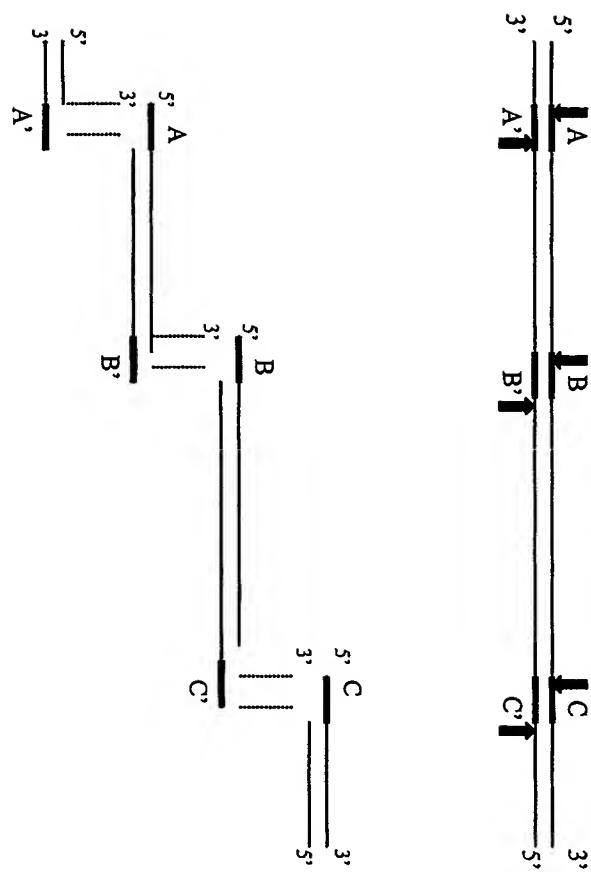


Figure 2



Use asymmetric endonuclease to cut DNA into fragments with asymmetric single stranded overhangs

Upon ligation, although the fragments are all together they will self assemble in the correct orientation because an asymmetric endonuclease generates unique single stranded overhangs.

Figure 3

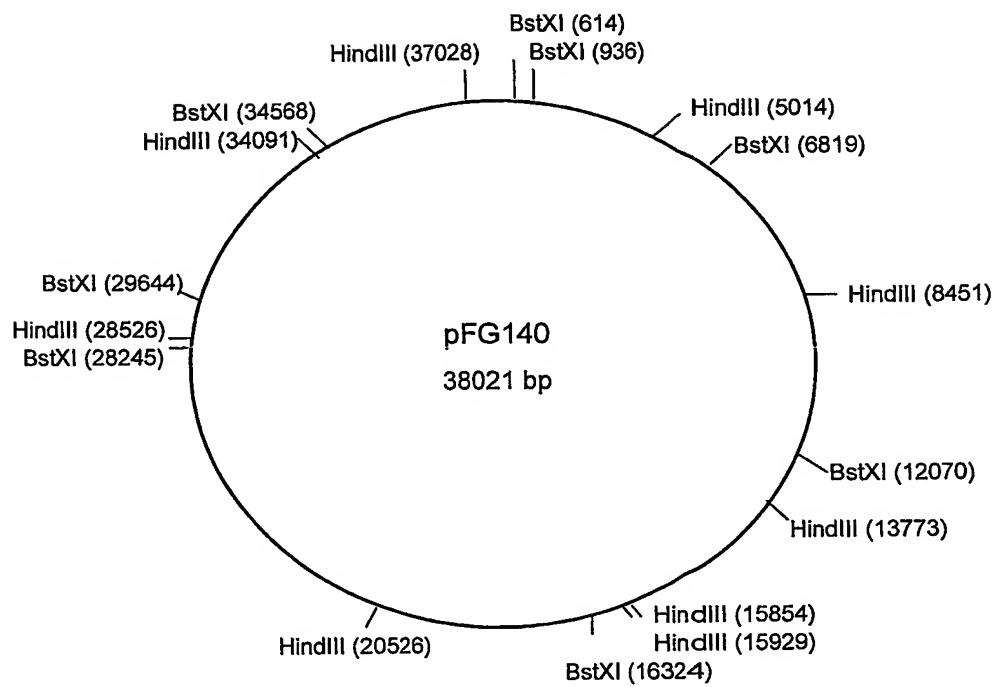


Figure 4

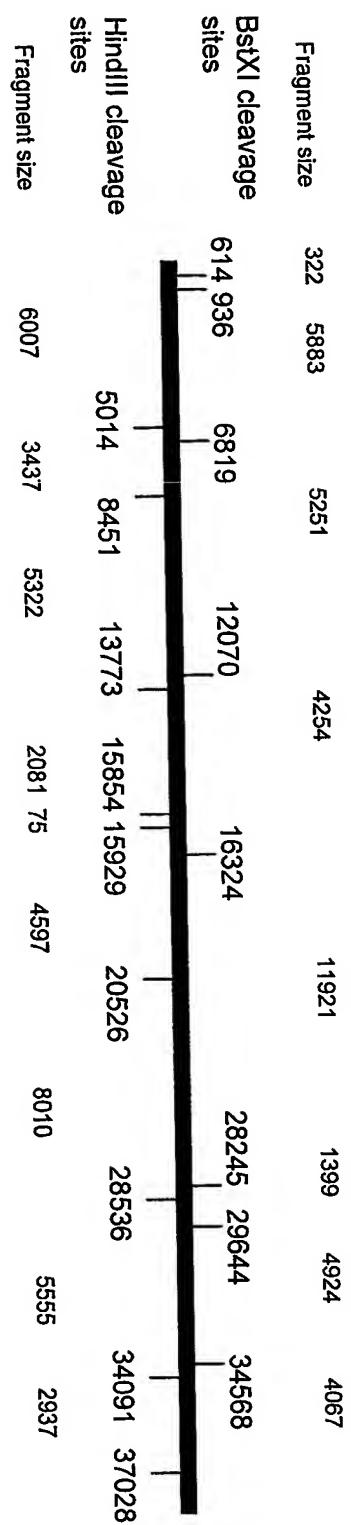


Figure 5

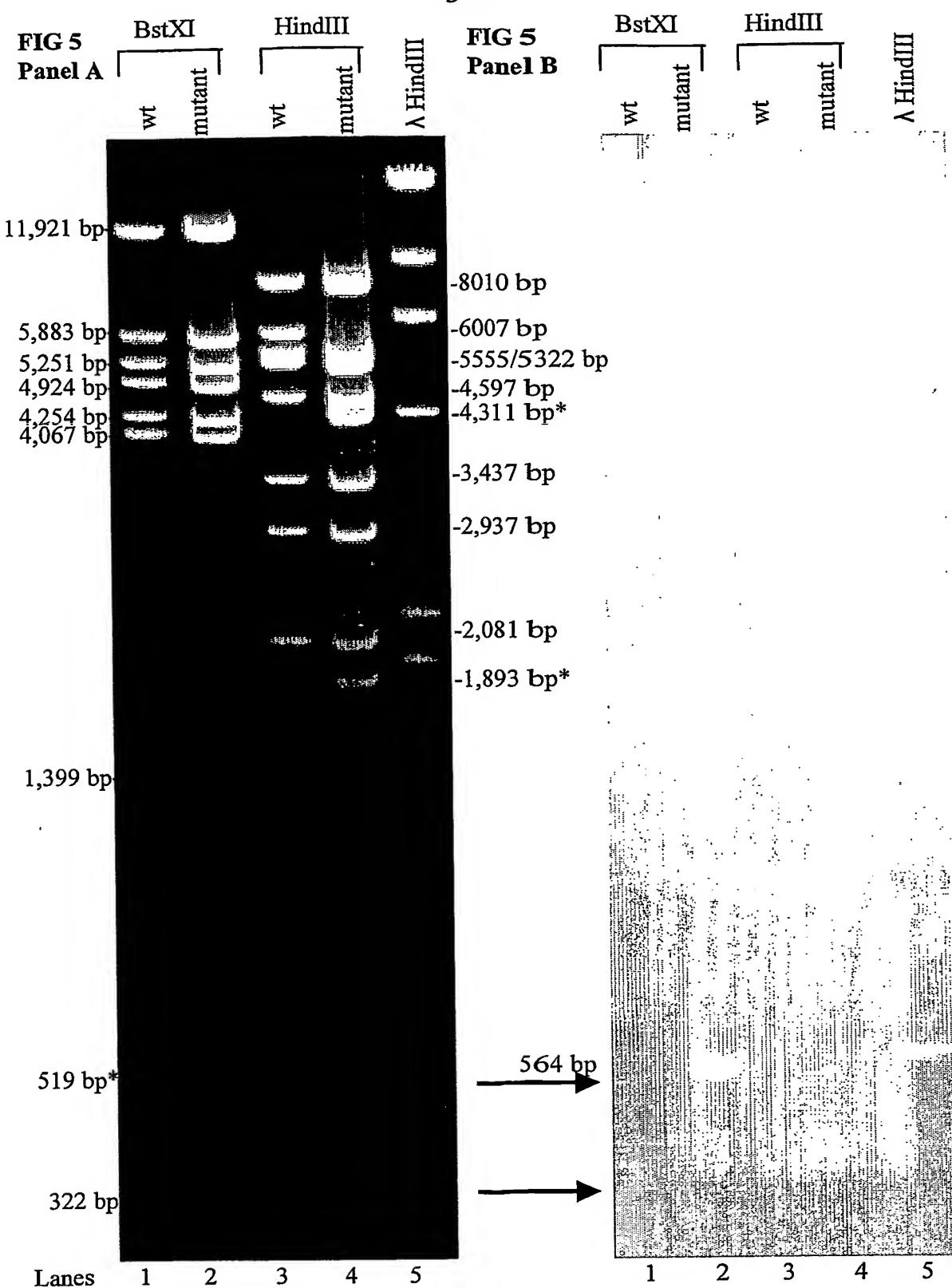


Figure 6

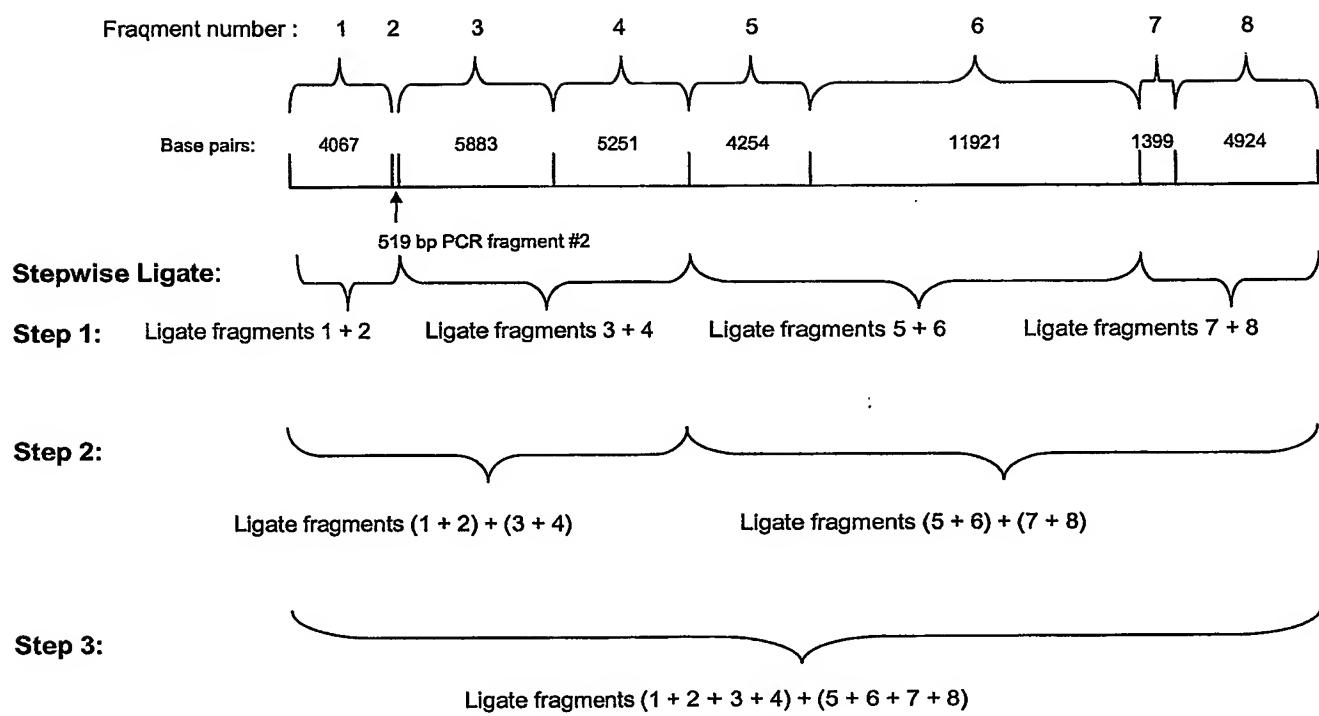


Figure 7

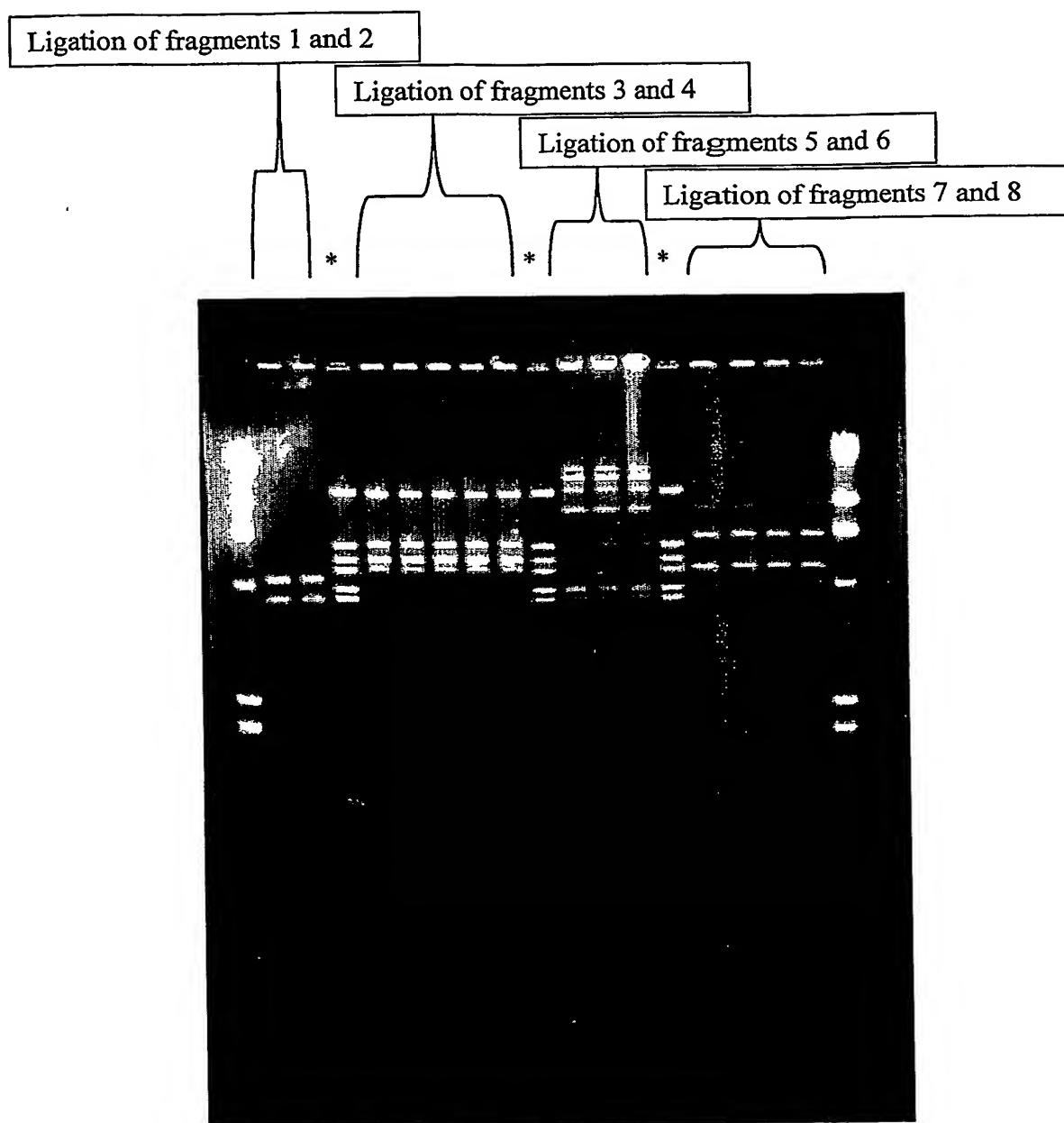


Figure 8

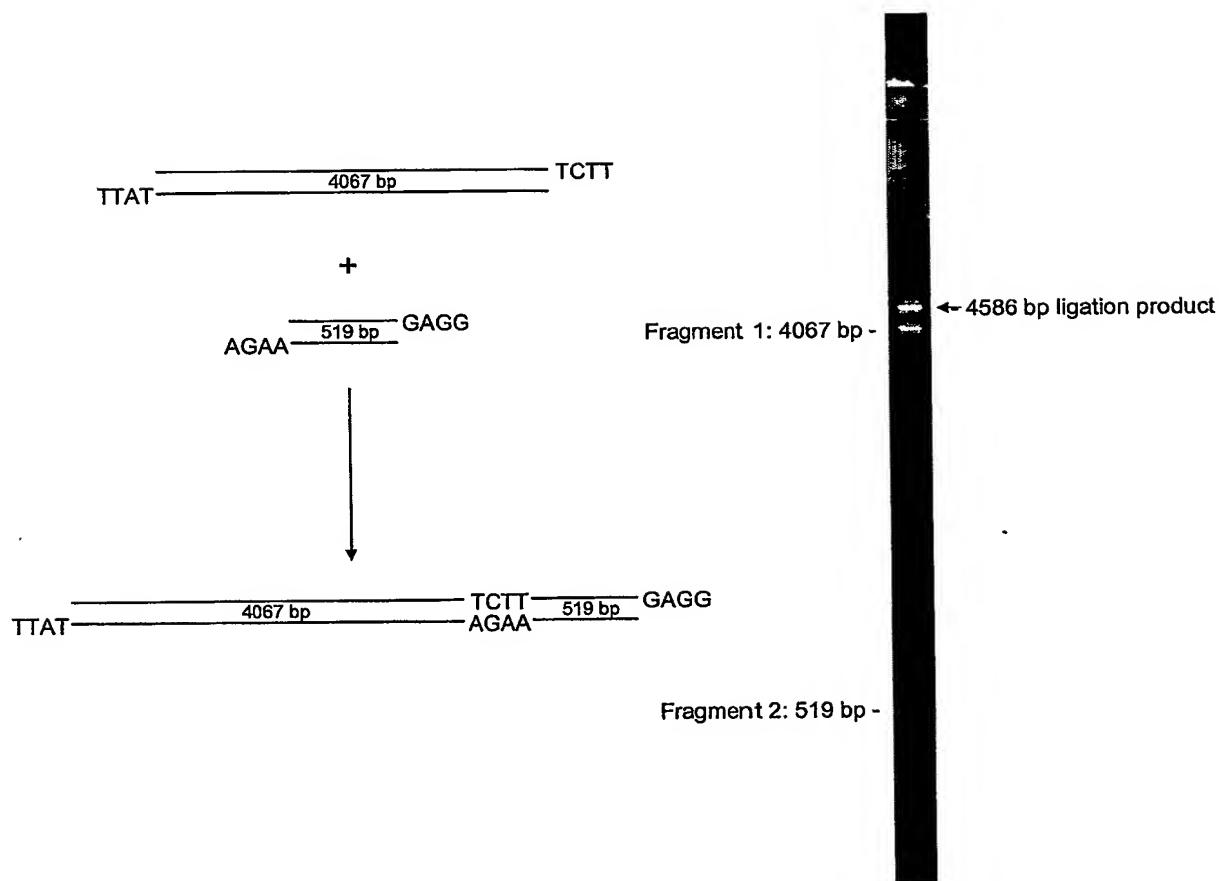


Figure 9

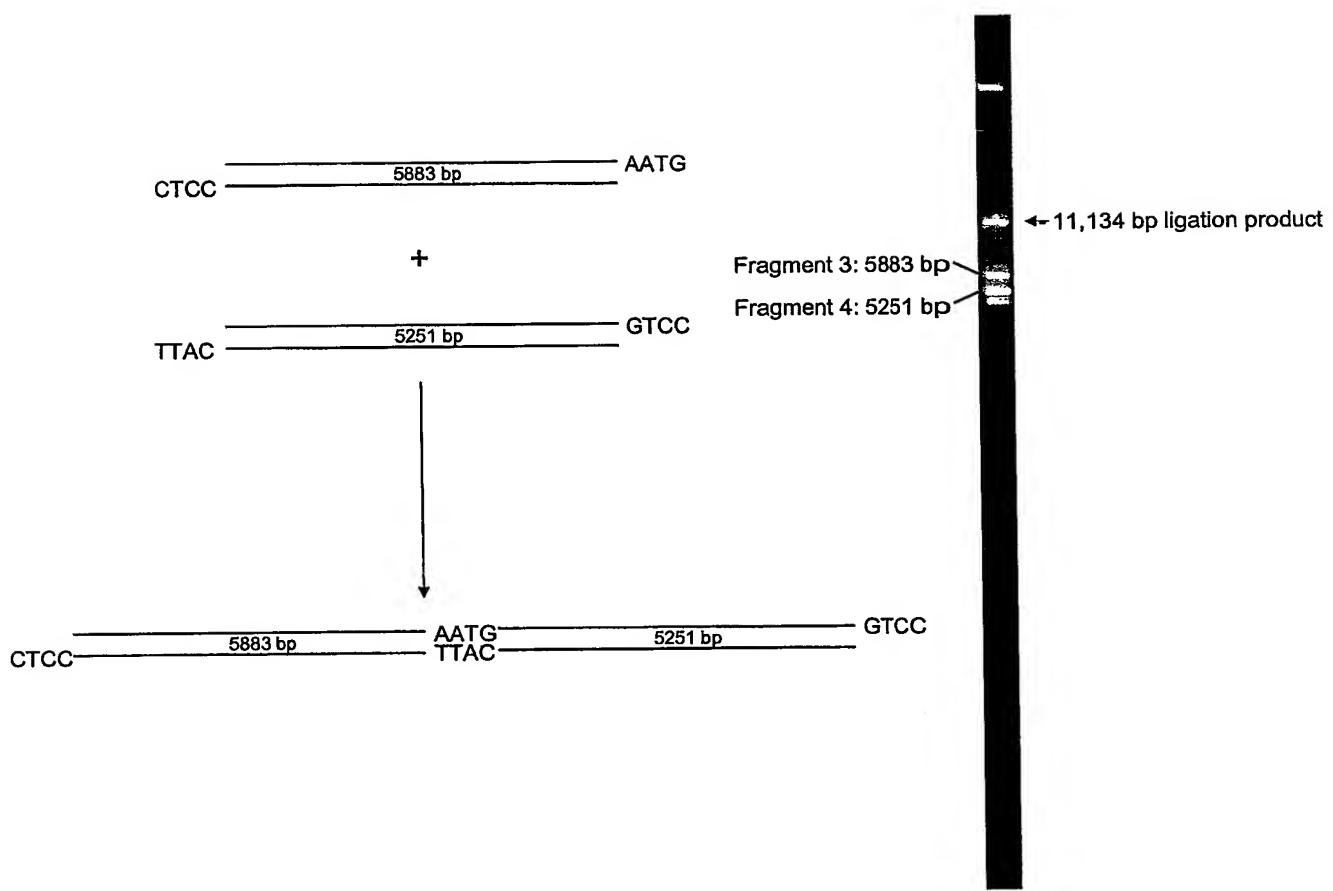


Figure 10

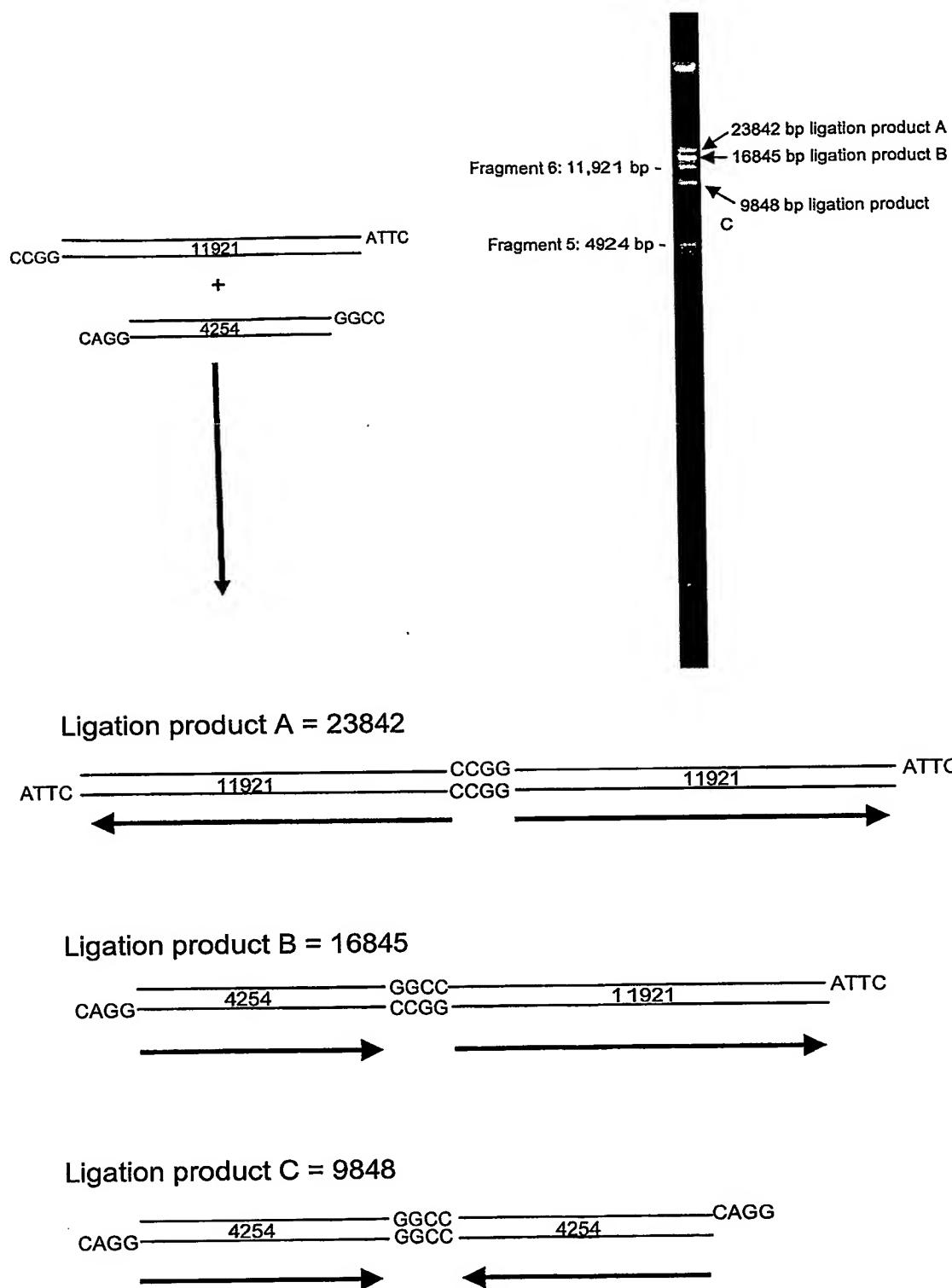


Figure 11

